

ABSTRACT

This case is about between the transmission rotating shaft
of the electric machinery and the electric machinery rotor or
between the transmission rotating shaft of the electric
5 machinery rotor and the transmission element driven, there is
installed reversible activation helical structure consist of
helical nut structure or ball bearing or roller bearing helical
nut structure and there is installed axial pre-stressed spring,
and depending on the magnitude of the reverse torque between
10 the electric machinery rotor and the loading and the driven
direction status, to control the electric machinery rotor to
perform axial displacement, and further to modulate the
electric machinery characteristics between the electric
machinery rotor and the electric machinery magnetic field or
15 to pull the selected control mechanism or testing device.